

**Session Program**

**12-14 Dec 2016**

**(Re)interpreting the results of new physics  
searches at the LHC**

***Interpretation studies***

CERN, 4/3-006 - TH Conference Room

## Tuesday 13 December

16:00

### Interpretation studies: part 1

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room

16:00–16:15

#### **Optimal determination of differential rates in the presence of higher-dimensional operators**

**Speaker**

Dr Alberto Tonero

16:20–16:35

#### **Dark Matter Characterisation and interpretation of MET signature at the LHC**

**Speaker**

Prof. Alexander Belyaev

16:40–16:55

#### **Exotic colored scalars at the LHC**

**Speaker**

Dr Claudia Frugiuele

17:00–17:15

#### **Di-boson signatures as Standard Candles for Partial Compositeness**

**Speaker**

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17:15

# Wednesday 14 December

09:00

## Interpretation studies: part 2

**Session** | **Location:** CERN, 4/3-006 - TH Conference Room

09:00–09:15

### Surviving scenario of stop decays for ATLAS $l+\text{jets}+\text{EmissT}$ search

**Speaker**

Michihisa Takeuchi

09:20–09:35

### Cornering Natural SUSY at the 13 TeV LHC

**Speaker**

Angelo Monteux

09:40–09:55

### Confronting SUSY models with LHC data via electroweakino production

**Speaker**

Victor Martin-Lozano

10:00–10:15

### Prospects for testing the light Higgsino/Singlino scenario of the NMSSM

**Speaker**

Ulrich Ellwanger

10:20–10:45

### Coffee & tea break

10:50–11:05

### Phase space correlations of 13 TeV gluino and squark searches in the pMSSM

**Speaker**

Jesse Liu

11:10–11:25

### Scalar versus fermionic top partner interpretations of $t\bar{t}+E_T^{\text{miss}}$ searches at the LHC

**Speaker**

Ursula Laa

11:30–11:45

### Searching for supersymmetry in $Z'$ decays

**Speaker**

Gennaro Corcella

11:50–12:05

### Dastardly Displaced Vertices

**Speaker**

Prof. Benjamin Allanach

12:10